

Title (en)  
A SELF-ACTIVATING HYDROPROCESSING CATALYST HAVING ENHANCED ACTIVITY AND SELF-ACTIVATION CHARACTERISTICS AND ITS USE FOR TREATING RESID FEEDSTOCKS

Title (de)  
SELBSTAKTIVIERENDER HYDROPROCESSING-KATALYSATOR MIT GESTEIGERTER WIRKSAMKEIT UND SELBSTAKTIVIERUNGSFUNKTION UND DESSEN VERWENDUNG ZUR BEHANDLUNG VON RÜCKSTÄNDEN

Title (fr)  
CATALYSEUR D'HYDROTRAITEMENT À AUTO-ACTIVATION PRÉSENTANT UNE ACTIVITÉ ACCRUE ET DES CARACTÉRISTIQUES D'AUTO-ACTIVATION, ET SON UTILISATION POUR LE TRAITEMENT DE CHARGES D'ALIMENTATION DE RÉSIDUS

Publication  
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Application  
**EP 15801014 A 20151104**

Priority  
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• US 2015058964 W 20151104

Abstract (en)  
[origin: WO2016073560A1] A self-activating catalyst for treating heavy hydrocarbon feedstocks that comprises a calcined particle treated with a sulfoxide compound in the presence of hydrogen. The calcined particle comprises a co-mulled mixture made by co-mulling inorganic oxide powder, molybdenum trioxide powder, and a nickel compound and then forming the co-mulled mixture into a particle that is calcined to thereby provide the calcined particle. The calcined particle comprises from 1 to 10 weight percent molybdenum and nickel that is present in an amount such that the weight ratio of said nickel-to-molybdenum is less than 0.4. The calcined particle has a pore size distribution that contributes to the unique properties of the catalyst. The enhanced self-activating catalyst is used in the hydroprocessing of heavy residue feedstocks that have high nickel, vanadium and sulfur concentrations.

IPC 8 full level  
**B01J 37/04** (2006.01); **B01J 23/883** (2006.01); **B01J 27/051** (2006.01); **B01J 27/19** (2006.01); **B01J 35/10** (2006.01); **B01J 37/00** (2006.01); **B01J 37/02** (2006.01); **B01J 37/08** (2006.01); **B01J 37/20** (2006.01); **B01J 37/28** (2006.01); **C10G 45/08** (2006.01)

CPC (source: CN EP KR US)  
**B01J 23/883** (2013.01 - EP KR US); **B01J 27/051** (2013.01 - KR); **B01J 27/0515** (2013.01 - EP KR US); **B01J 27/19** (2013.01 - EP KR US); **B01J 35/635** (2024.01 - EP US); **B01J 35/647** (2024.01 - EP US); **B01J 35/66** (2024.01 - EP US); **B01J 37/0009** (2013.01 - EP KR US); **B01J 37/0203** (2013.01 - EP KR US); **B01J 37/04** (2013.01 - EP KR US); **B01J 37/08** (2013.01 - KR); **B01J 37/088** (2013.01 - EP US); **B01J 37/20** (2013.01 - EP KR US); **B01J 37/28** (2013.01 - EP KR US); **C10G 45/08** (2013.01 - CN EP KR US); **B01J 23/883** (2013.01 - CN); **B01J 27/051** (2013.01 - CN); **B01J 27/0515** (2013.01 - CN); **B01J 27/19** (2013.01 - CN); **B01J 35/635** (2024.01 - CN); **B01J 35/647** (2024.01 - CN); **B01J 35/66** (2024.01 - CN); **B01J 37/0009** (2013.01 - CN); **B01J 37/0203** (2013.01 - CN); **B01J 37/04** (2013.01 - CN); **B01J 37/08** (2013.01 - CN); **B01J 37/20** (2013.01 - CN); **B01J 37/28** (2013.01 - CN)

Citation (search report)  
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